

Form PTO-1449  
(REV. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NO.:  
9598-32 (AUHS - 318)APPLICATION NO.:  
09/028,395

## INFORMATION DISCLOSURE CITATION

(Form PTO-1449 Modified 5/95)  
Use several sheets if necessary)APPLICANT:  
Darwin J. Prockop *et al.*FILING DATE:  
February 24, 1998GROUP ART UNIT:  
3732 / 633

## U.S. PATENT DOCUMENTS

DOCU INT TRADE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
jk	4,391,909	07/83	Lim, Franklin	435	178	
	4,997,443	03/91	Walthall <i>et al.</i>	623	11	
	4,902,295	02/90	Walthall <i>et al.</i>	623	11	
	4,942,129	07/90	Goosen <i>et al.</i>	435	182	
	4,806,355	02/89	Goosen <i>et al.</i>	424	424	
	5,314,471	05/94	Brauker <i>et al.</i>	623	11	
	5,334,640	08/94	Desai <i>et al.</i>	524	56	
✓	5,344,454	09/94	Clarke <i>et al.</i>	623	11	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

jk	Ala-Kokko <i>et al.</i> , 1991, J. Biol. Chem. 266:14175-14178
	Andersson <i>et al.</i> , 1993, Int. J. Dev. Neurosci. 11:555-568
	Andreason <i>et al.</i> , 1988, BioTechniques 6:650-660
	Anklesaria, 1987, PNAS USA 84:7681-7685
	Applebaum <i>et al.</i> , 1992, Blood 80(6):1608-1613
	Azizi, 1996, Ann. Neurol. (suppl) 121:T236
	Benayahu <i>et al.</i> , 1989, J. Cell Physiol. 140:1-7
	Bennett <i>et al.</i> , 1991, J. Cell. Sci. 99:131-139
	Beresford <i>et al.</i> , 1992, J. Cell. Sci. 102:341-351
	Bienzle <i>et al.</i> , 1994, Proc. Natl. Acad. Sci USA, 91:350-354
	Bjorklund, 1993, Nature 362:414-415
	Bradham <i>et al.</i> , 1994, J. Cell Physiol. 158:61-68
✓	Bruder <i>et al.</i> , 1997, J. Cell Biochem. 64:278-294

EXAMINER

DATE CONSIDERED 10/4/99

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: 9598-32 (AUHS-318)	APPLICATION NO.: 09/028,395
<b>INFORMATION DISCLOSURE CITATION</b> (Form PTO-1449 Modified 5/95) (Use several sheets if necessary)		<b>APPLICANT:</b> Darwin J. Prockop <i>et al.</i>	
		<b>FILING DATE:</b> February 24, 1998	<b>GROUP ART UNIT:</b> 3732 1633
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
Brüstle <i>et al.</i> , Current Opinion in Neurobiology, 1996, 6:688-695			
Caplan, 1991, J. Orthop. Res. 9:641-650			
Carter <i>et al.</i> , 1992, Blood 79:356-364			
Castro-Malaspina <i>et al.</i> , 1980, Blood 56:289-301			
Considine <i>et al.</i> , 1995, J. Clin. Invest. 95:2986-2988			
Defer <i>et al.</i> , 1996, Brain 119:41-50			
Freed <i>et al.</i> , 1992, N. Engl. J. Med 327:1549-1555			
Freundlieb <i>et al.</i> , 1997, Meth. Enzymol. 12:159-173			
Friedenstein <i>et al.</i> , 1987, Cell Tissue Kinet. 20:263-272			
Friedenstein <i>et al.</i> , 1976, Exp. Hemat. 4:267-274			
Kang <i>et al.</i> , 1993, J. Neurosci. 13:5203-5211			
Khillan <i>et al.</i> , 1991, J. Biol. Chem. 266:23373-23379			
Kiefer, 1991, Blood 78(10):2577-2582			
Kordower <i>et al.</i> , 1995, N. Engl. J. Med. 332:1118-1124			
Liesveld <i>et al.</i> , 1989, Blood 73:1794-1800			
Liesveld <i>et al.</i> , 1990, Exp. Hematol. 19:63-70			
Lopez-Lozano <i>et al.</i> , 1997, Transp. Proc. 29:977-980			
Mardon <i>et al.</i> , 1987, Cell Tissue Res. 250:157-165			
McKay, 1997, Science 276:66-71			
Mercer <i>et al.</i> , 1992, In: Antisense Strategies, Ann. IV. Y. Acad. Sci. Biol. 660:209-218			
Nakahara <i>et al.</i> , 1991, J. Orthop. Res. 9:465-476			
Niedzwiedski <i>et al.</i> , 1993, Biomaterials 14:115-121			
EXAMINER		DATE CONSIDERED 10/4/99	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: 9598-32 (AUHS-318)	APPLICATION NO.: 09/028,395
<b>INFORMATION DISCLOSURE CITATION</b> (Form PTO-1449 Modified 5/95) (Use several sheets if necessary)		APPLICANT: Darwin J. Prockop <i>et al.</i>	
		FILING DATE: February 24, 1998	GROUP ART UNIT: 3732 / 633
Hara <i>et al.</i> , 1991, Exp. Hemat. 19:878-881			
Ohgushi <i>et al.</i> , 1989, Acte. Orthop. Scand. 60:334-339			
Olson, 1997, Nature Med. 3:1329-1335			
Owen <i>et al.</i> , 1988, in Cell and Molecular Biology of Vertebrate Hard Tissues, Ciba Foundation Symposium 136, Chichester, UK, pp. 42-60			
Pereira <i>et al.</i> , 1995, Proc. Natl. Acad. Sci. USA 92:4857-4861			
Pereira <i>et al.</i> , 1983, J. Clin. Invest. 91:709-716			
Pereira <i>et al.</i> , 1998, Proc. Natl. Acad. Sci. 95:1142-1147			
Piersma <i>et al.</i> 1983, Brit. J. Hematol. 94:285-290			
Piersma <i>et al.</i> , 1985, Exp. Hematol 13:237-243			
Prockop, 1997, Science 276:71-74			
Rosenstein, 1995, Exp. Neurol. 133:1-6			
Sanberg <i>et al.</i> , 1997, Nature Med. 3:1129-1132			
Simmons <i>et al.</i> , 1991, Blood 78:55-62			
Smith <i>et al.</i> , 1993, Mature Genet. 5:397-402			
Sokolov <i>et al.</i> , 1995, J. Biol. Chem. 270:9622-9629			
Sokolov <i>et al.</i> , 1993, Biochemistry 32:9242-9249			
Spencer <i>et al.</i> , 1992, N. Engl. J. Med. 327:1541-1548			
Stewart <i>et al.</i> 1993, Blood 81:2566-2571			
Toneguzzo <i>et al.</i> , 1986, Mol. Cell. Biol. 6:703-706			
EXAMINER <i>James W. Kim</i>		DATE CONSIDERED <i>10/4/99</i>	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

JUN 18 AM 7:11  
 RECEIVED  
 GROUP 1300

Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO.: 9598-32 (AUHS-318)	APPLICATION NO.: 09/028,395
INFORMATION DISCLOSURE CITATION  (Form PTO-1449 Modified 5/95) (Use several sheets if necessary)		APPLICANT: Darwin J. Prockop <i>et al.</i>	
		FILING DATE: February 24, 1998	GROUP ART UNIT: 3732/633
Turner <i>et al.</i> , 1993, Neurosurg. 33:1031-1037			
Wakitani <i>et al.</i> , 1994, J. Bone & Surg. 76A:579-592			
Zhou <i>et al.</i> , 1992, J. Comp. Neurol. 317:145-155			
EXAMINER	<i>James M. Kerr</i>	DATE CONSIDERED	10/4/99
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

98 JUN 18 11:17  
 RECEIVED  
 GROUP 1